

FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Eastman Chemical Company

AUTHORIZING THE OPERATION OF

C8 - Eastoflex

Industrial Organic Chemicals

LOCATED AT

Harrison County, Texas

Latitude 32° 26' 15" Longitude 94° 41' 37"

Regulated Entity Number: RN100219815

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1978 Issuance Date: _____

For the Commission

Table of Contents

Section	Page
General Terms and Conditions	1
Special Terms and Conditions	1
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting	1
Additional Monitoring Requirements	6
New Source Review Authorization Requirements	7
Compliance Requirements.....	8
Risk Management Plan	9
Permit Location.....	9
Permit Shield (30 TAC § 122.148)	9
Attachments	10
Applicable Requirements Summary	11
Additional Monitoring Requirements	19
Permit Shield.....	23
New Source Review Authorization References.....	39
Appendix A	43
Acronym List	44

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions: Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:
 - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
 - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

- C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.
 - D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
 - E. Emission units subject to 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1130 which incorporates the 40 CFR Part 63 Subpart by reference.
 - F. The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD as identified in the attached Applicable Requirements Summary by January 31, 2016.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
 - B. Title 30 TAC § 101.3 (relating to Circumvention)
 - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
 - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
 - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
 - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
 - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
 - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
 - I. Title 30 TAC § 101.222 (relating to Demonstrations)

- J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:
 - (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
 - (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
 - (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
 - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
 - (2) Records of all observations shall be maintained.
 - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified

opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

B. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

C. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

- (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
- (ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

- (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
 - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
 - B. Title 40 CFR § 60.8 (relating to Performance Tests)
 - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
 - D. Title 40 CFR § 60.12 (relating to Circumvention)
 - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
 - F. Title 40 CFR § 60.14 (relating to Modification)
 - G. Title 40 CFR § 60.15 (relating to Reconstruction)
 - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)
- 5. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
- 6. For site remediation projects subject to 40 CFR Part 63, Subpart GGGGG that are completed within 30 consecutive calendar days the permit holder shall comply with 40 CFR § 63.7884(b), (b)(1) - (3) (Title 30 TAC, Subchapter C, § 113.1160 incorporated by reference).
- 7. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

8. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached “CAM Summary” upon issuance of the permit. In addition, the permit holder shall comply with the following:
 - A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).
 - B. The permit holder shall report, consistent with the averaging time identified in the “CAM Summary,” deviations as defined by the deviation limit in the “CAM Summary.” Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).
 - C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “CAM Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).
 - D. The permit holder shall operate the monitoring, identified in the attached “CAM Summary,” in accordance with the provisions of 40 CFR § 64.7.
 - E. The permit holder shall comply with either of the following requirements for any capture system associated with the VOC control device subject to CAM. If the results of the following inspections indicate that the capture system is not working properly, the permit holder shall promptly take necessary corrective actions:
 - (i) Once a year the permit holder shall inspect the capture system in compliance of CAM for leaks in accordance with 40 CFR Part 60, Appendix A, Test Method 21. Leaks shall be indicated by an instrument reading greater than or equal to 500 ppm above background or as defined by the underlying applicable requirement; or
 - (ii) Once a month, the permit holder shall conduct a visual, audible, and/or olfactory inspection of the capture system in compliance of CAM to detect leaking components.

- F. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.
- 9. The permit holder shall comply with the periodic monitoring requirements as specified in the attached “Periodic Monitoring Summary” upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the “Periodic Monitoring Summary,” for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

- 10. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
 - A. Are incorporated by reference into this permit as applicable requirements
 - B. Shall be located with this operating permit
 - C. Are not eligible for a permit shield
- 11. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
- 12. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit’s compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, material safety data sheets (MSDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests,

capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144.

- A. If applicable, monitoring of control device performance or general work practice standards shall be made in accordance with the TCEQ Periodic Monitoring Guidance document.
- B. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

- 13. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
- 14. Use of Discrete Emission Credits to comply with the applicable requirements:
 - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
 - (i) Title 30 TAC Chapter 115
 - (ii) Title 30 TAC Chapter 117
 - (iii) If applicable, offsets for Title 30 TAC Chapter 116
 - (iv) Temporarily exceed state NSR permit allowables
 - B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
 - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
 - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
 - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

- (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
- (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

- 15. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Permit Location

- 16. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

- 17. A permit shield is granted for the emission units, groups, or processes specified in the attached “Permit Shield.” Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment “Permit Shield.” Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Unit Summary	12
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Applicable Requirements Summary	14
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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
PP028H1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-0002	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP055T3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-0003	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP055T4A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R1111-0004	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP054FL2	FLARES	N/A	R1111-0001	30 TAC Chapter 111, Visible Emissions	No changing attributes.
PP054FL2	FLARES	N/A	60A-0001	40 CFR Part 60, Subpart A	No changing attributes.
PP054FG1	FUGITIVE EMISSION UNITS	N/A	60DDD-0001	40 CFR Part 60, Subpart DDD	No changing attributes.
PROEFPF	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-0002	40 CFR Part 60, Subpart DDD	No changing attributes.
PROEFPF	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-0003	40 CFR Part 60, Subpart DDD	PROCESS EMISSIONS = INDIVIDUAL VENT GAS STREAMS EMIT INTERMITTENT EMISSIONS, EMERGENCY VENT = EMISSIONS ARE AN

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					EMERGENCY VENT STREAM FROM A NEW MODIFIED OR RECONSTRUCTED FACILITY
PROEFPS	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-0002	40 CFR Part 60, Subpart DDD	PROCESS EMISSIONS = INDIVIDUAL VENT GAS STREAMS EMIT CONTINUOUS EMISSIONS, EMERGENCY VENT = EMISSIONS ARE NOT AN EMERGENCY VENT STREAM FROM A NEW MODIFIED OR RECONSTRUCTED FACILITY, EXISTING CONTROL DEVICE = VENT STREAM IS CONTROLLED IN AN EXISTING CONTROL DEVICE (AS DEFINED IN 40 CFR 60.561) WHICH HAS NOT BEEN RECONSTRUCTED REPLACED OR ITS OPERATING CONDITIONS MODIFIED AS A RESULT OF STATE OR LOCAL REGULATIONS
PROEFPS	POLYMER MANUFACTURING PROCESSES	N/A	60DDD-0003	40 CFR Part 60, Subpart DDD	No changing attributes.
PPo28H1	PROCESS HEATERS/FURNACES	N/A	63DDDDD-0001	40 CFR Part 63, Subpart DDDDD	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PPo28H1	EP	R1111-0002	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six minute period.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
PPo55T3	EU	R1111-0003	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six-minute period. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to demonstrate compliance.	None	None	None
PPo55T4A	EU	R1111-0004	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(A)	Visible emissions from any stationary vent shall not exceed an opacity of 30% averaged over a six-minute period. The emissions from this vent originate from colorless VOCs, non-fuming liquids, or other sources that are not capable of obstructing the transmission of light. These vents are not capable of exceeding the opacity standards of 30 TAC Chapter 111 and therefore no monitoring is required to	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						demonstrate compliance.			
PP054FL2	EU	R1111-0001	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(4)(A)	Visible emissions from a process gas flare shall not be permitted for more than five minutes in any two-hour period, except for emission event emissions as provided in §101.222(b).	§ 111.111(a)(4)(A)(i) § 111.111(a)(4)(A)(ii)	§ 111.111(a)(4)(A)(ii)	None
PP054FL2	CD	60A-0001	OPACITY	40 CFR Part 60, Subpart A	§ 60.18(b) § 60.18(c)(1) § 60.18(c)(2) § 60.18(c)(3)(ii) § 60.18(c)(4)(i) § 60.18(c)(6) § 60.18(e)	Flares shall comply with paragraphs (c)-(f) of § 60.18.	§ 60.18(d) § 60.18(f)(1) § 60.18(f)(2) § 60.18(f)(3) § 60.18(f)(4)	None	None
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) § 60.482-10(e) [G]§ 60.482-10(g) § 60.482-10(h) § 60.482-10(m) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for closed-vent systems.	[G]§ 60.482-10(f) § 60.482-10(i) § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.482-10(j) [G]§ 60.482-10(k) [G]§ 60.482-10(l) [G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.565(l)
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-4 [G]§ 60.482-9 § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-4 for pressure relief devices in gas/vapor service.	[G]§ 60.482-4 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(e)(3) [G]§ 60.486(e)(4) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.565(l)
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-6	Comply with the requirements in as stated in §60.482-6 for open-ended valves and lines.	§ 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) § 60.485(f)	[G]§ 60.486(a) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					[G]§ 60.482-9 § 60.562-2(d) § 60.562-2(e)				§ 60.565(l)
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-7 [G]§ 60.482-9 [G]§ 60.483-1 [G]§ 60.483-2 § 60.562-2(b) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-7 for valves in gas/vapor or light-liquid service.	[G]§ 60.482-7 [G]§ 60.483-1 [G]§ 60.483-2 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(c) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) [G]§ 60.486(e)(2) [G]§ 60.486(e)(4) [G]§ 60.486(f) [G]§ 60.486(g) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(d) § 60.487(e) § 60.565(l)
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.482-1(a) § 60.482-1(b) [G]§ 60.482-8 [G]§ 60.482-9 § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-8 for flanges or other connectors.	[G]§ 60.482-8 § 60.485(a) [G]§ 60.485(b) [G]§ 60.485(d) [G]§ 60.485(e) § 60.485(f)	[G]§ 60.486(a) [G]§ 60.486(b) [G]§ 60.486(c) § 60.486(e) § 60.486(e)(1) § 60.486(j)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.565(l)
PP054FG1	EU	60DDD-0001	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-2(a) § 60.18 § 60.482-1(a) § 60.482-1(b) § 60.482-10(d) § 60.482-10(e) § 60.482-10(m) § 60.562-2(d) § 60.562-2(e)	Comply with the requirements in as stated in §60.482-10 for flares.	§ 60.485(a) [G]§ 60.485(c) [G]§ 60.485(d) § 60.485(f) [G]§ 60.485(g)	[G]§ 60.486(a) [G]§ 60.486(d) § 60.486(e) § 60.486(e)(1)	§ 60.487(a) [G]§ 60.487(b) [G]§ 60.487(c) § 60.487(e) § 60.565(l)
PROEFPF	PRO	60DDD-0002	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(1) § 60.18 § 60.562-1(a)(1)(i) § 60.562-1(a)(1)(i)(C) § 60.562-1(a)(1)(iii) § 60.562-	For each vent stream that emits continuous emissions from affected facility, use procedures in paragraphs (a)(1)(ii)-(iii) for determining which continuous emissions to	[G]§ 60.563(a) § 60.563(b) § 60.563(b)(2)(i) § 60.563(c) § 60.563(d)(1) § 60.563(d)(2) § 60.564(a)	[G]§ 60.563(a) § 60.563(d)(1) § 60.565(a) [G]§ 60.565(a)(3) [G]§ 60.565(b)(2) [G]§ 60.565(e) [G]§ 60.565(g)	§ 60.565(a) [G]§ 60.565(a)(3) § 60.565(b)(1) § 60.565(i) § 60.565(j) § 60.565(k) § 60.565(k)(2)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					1(a)(1)(iii)(A) § 60.562-1(d) § 60.562-1(e)	control as specified.	§ 60.564(a)(1) § 60.564(a)(3) [G]§ 60.564(d) [G]§ 60.564(e) [G]§ 60.564(f) [G]§ 60.564(g) ** See CAM Summary	§ 60.565(j)	§ 60.565(k)(4) § 60.565(l)
PROEFPF	PRO	6oDDD-0003	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(h)	Emergency vent streams, as defined in §60.561, from a new, modified, or reconstructed polypropylene or polyethylene affected facility are exempt from the requirements of §60.562-1(a)(2).	None	None	None
PROEFPS	PRO	6oDDD-0002	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.562-1(a)(1) § 60.18 § 60.562-1(a)(1)(i) § 60.562-1(a)(1)(i)(C) § 60.562-1(a)(1)(iii) § 60.562-1(a)(1)(iii)(A) § 60.562-1(d) § 60.562-1(e)	For each vent stream that emits continuous emissions from affected facility, use procedures in paragraphs (a)(1)(ii)-(iii) for determining which continuous emissions to control as specified.	[G]§ 60.563(a) § 60.563(b) § 60.563(b)(2)(i) § 60.563(c) § 60.563(d)(1) § 60.563(d)(2) § 60.564(a) § 60.564(a)(1) § 60.564(a)(3) [G]§ 60.564(d) [G]§ 60.564(e) [G]§ 60.564(f) [G]§ 60.564(g) ** See CAM Summary	[G]§ 60.563(a) § 60.563(d)(1) § 60.565(a) [G]§ 60.565(a)(3) [G]§ 60.565(b)(2) [G]§ 60.565(e) [G]§ 60.565(g) § 60.565(j)	§ 60.565(a) [G]§ 60.565(a)(3) § 60.565(b)(1) § 60.565(i) § 60.565(j) § 60.565(k) § 60.565(k)(2) § 60.565(k)(4) § 60.565(l)
PROEFPS	PRO	6oDDD-0003	VOC/TOC	40 CFR Part 60, Subpart DDD	§ 60.560(h)	Emergency vent streams, as defined in §60.561, from a new, modified, or reconstructed polypropylene or	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						polyethylene affected facility are exempt from the requirements of §60.562-1(a)(2).			
PPo28H1	EU	63DDDDD-0001	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

Additional Monitoring Requirements

Compliance Assurance Monitoring Summary 20

Periodic Monitoring Summary..... 22

CAM Summary

Unit/Group/Process Information	
ID No.: PROEFPF	
Control Device ID No.: PP054FL2	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart DDD	SOP Index No.: 60DDD-0002
Pollutant: VOC/TOC	Main Standard: § 60.562-1(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
Deviation Limit: No visible emissions. If visible emissions are observed, the permit holder shall either report a deviation or determine visible emissions consistent with Test Method22 or Test Method 9.	
CAM Text: Visible emissions observations shall be made and recorded in the flare operation log. A daily notation in the flare operation log should include the time of day and whether or not the flare had visible emissions. The flare operator shall record at least 98% of these required observations. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes.	

CAM Summary

Unit/Group/Process Information	
ID No.: PROEFPS	
Control Device ID No.: C054FL2	Control Device Type: Flare
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart DDD	SOP Index No.: 60DDD-0002
Pollutant: VOC/TOC	Main Standard: § 60.562-1(a)(1)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: once per day	
Averaging Period: n/a	
<p>Deviation Limit: No visible emissions (VE). If VE are observed then the permit holder shall either report a deviation or determine VE consistent with Test Method (TM) 22 or TM 9.</p> <p>CAM Text: Visible emissions observations shall be made and recorded in the flare operation log. A daily notation in the flare operation log should include the time of day and whether or not the flare had visible emissions. The flare operator shall record at least 98% of these required observations. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes.</p>	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: PP028H1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-0002
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(A)
Monitoring Information	
Indicator: Visible emissions	
Minimum Frequency: Quarterly	
Averaging Period: 6 minutes	
Deviation Limit: Failure to perform quarterly visible emissions (VE) observation (except when unit is not operational for entire quarter), VE present but no TM 9 performed, TM 9 performed and opacity > 30% shall be reported as a deviation.	
Periodic Monitoring Text: If visible emissions (VE) are present then a certified observer shall make observations, for at least one, six-minute period in accordance with Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Any opacity readings that are above the 30% opacity limit shall be reported as a deviation.	

Permit Shield

Permit Shield 24

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP055T3	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP055T3	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T3	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T3	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T3	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T3	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T4A	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP055T4A	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T4A	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T4A	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP055T4A	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T4A	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054FL2	N/A	40 CFR Part 63, Subpart A	Unit is not used to comply with applicable subpart(s) of 40 CFR Part 63.
PP054FG1	N/A	40 CFR Part 60, Subpart VV	Facility is not an affected facility in the synthetic organic chemicals manufacturing industry (SOCMI).
PP054FG1	N/A	40 CFR Part 61, Subpart J	Unit does not include any equipment that operates in benzene service.
PP054FG1	N/A	40 CFR Part 61, Subpart V	Unit does not include any equipment that operates in volatile hazardous air pollutant (VHAP) service.
PP054FG1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054FG1	N/A	40 CFR Part 63, Subpart H	Unit is not part of a HON regulated chemical manufacturing process unit (CMPU).
PP054FG1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP028D1	N/A	40 CFR Part 60, Subpart NNN	Process does not produce any chemicals listed in §60.667.
PP028D1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP028D1	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP028D1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP028D2	N/A	40 CFR Part 60, Subpart NNN	Process does not produce any chemicals listed in §60.667.
PP028D2	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP028D2	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP028D2	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP028D4R	N/A	40 CFR Part 60, Subpart NNN	Process does not produce any chemicals listed in §60.667.
PP028D4R	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28D4R	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PPo28D4R	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PPo28D8R	N/A	40 CFR Part 60, Subpart NNN	Process does not produce any chemicals listed in §60.667.
PPo28D8R	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28D8R	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PPo28D8R	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PPo28FG1	N/A	40 CFR Part 60, Subpart DDD	Unit is not constructed, modified, or reconstructed after 09/30/1987.
PPo28FG1	N/A	40 CFR Part 60, Subpart VV	Facility is not an affected facility in the synthetic organic chemicals manufacturing industry (SOCMI).
PPo28FG1	N/A	40 CFR Part 61, Subpart J	Unit does not include any equipment that

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			operates in benzene service.
PPo28FG1	N/A	40 CFR Part 61, Subpart V	Unit does not include any equipment that operates in volatile hazardous air pollutant (VHAP) service.
PPo28FG1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28FG1	N/A	40 CFR Part 63, Subpart H	Unit is not part of a HON regulated chemical manufacturing process unit (CMPU).
PPo28FG1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PPo28PS1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28PS1	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PPo28PS1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PPo28R1-1C	N/A	40 CFR Part 60, Subpart III	Unit does not use an air oxidation process and is not an affected facility.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PPo28R1-1C	N/A	40 CFR Part 60, Subpart RRR	Process unit does not produce any chemical listed in §60.707 as a product, co-product, by-product, or an intermediate.
PPo28R1-1C	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28R1-1C	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PPo28R1-1C	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PPo28R1C	N/A	40 CFR Part 60, Subpart III	Unit does not use an air oxidation process and is not an affected facility.
PPo28R1C	N/A	40 CFR Part 60, Subpart RRR	Process unit does not produce any chemical listed in §60.707 as a product, co-product, by-product, or an intermediate.
PPo28R1C	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PPo28R1C	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP028R1C	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP028R2C	N/A	40 CFR Part 60, Subpart III	Unit does not use an air oxidation process and is not an affected facility.
PP028R2C	N/A	40 CFR Part 60, Subpart RRR	Process unit does not produce any chemical listed in §60.707 as a product, co-product, by-product, or an intermediate.
PP028R2C	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP028R2C	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP028R2C	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054LR2E1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054LR2E1	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054LR2E1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP054LT1	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054LT1	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054LT1	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054LT2	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054LT2	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054LT2	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054T150	N/A	40 CFR Part 60, Subpart Kb	Capacity of storage unit is > 75 m3 but < 151 m3 and volatile organic liquids (VOL) stored has a maximum TVP < 15.0 kPa.
PP054T150	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP054T150	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP054T150	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054T150	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054T150	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054T8D	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP054T8D	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP054T8D	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP054T8D	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054T8D	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054T8D	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054T8E	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP054T8E	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP054T8E	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP054T8E	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054T8E	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP054T8E	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP054T8F	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP054T8F	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP054T8F	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP054T8F	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP054T8F	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PP054T8F	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T8G	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP055T8G	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T8G	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T8G	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T8G	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T8G	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T8H	N/A	40 CFR Part 60, Subpart K	Unit does not store petroleum liquid.
PP055T8H	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T8H	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T8H	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T8H	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T8H	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T8J	N/A	40 CFR Part 60, Subpart Kb	Capacity of storage unit is > 151 m3 and volatile organic liquids (VOL) stored has a maximum TVP < 3.5 kPa.
PP055T8J	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T8J	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T8J	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T8J	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T8J	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T8K	N/A	40 CFR Part 60, Subpart Kb	Capacity of storage unit is > 151 m3 and

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			volatile organic liquids (VOL) stored has a maximum TVP < 3.5 kPa.
PP055T8K	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T8K	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T8K	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T8K	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T8K	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PP055T8L	N/A	40 CFR Part 60, Subpart Kb	Capacity of storage unit is > 151 m3 and volatile organic liquids (VOL) stored has a maximum TVP < 3.5 kPa.
PP055T8L	N/A	40 CFR Part 61, Subpart FF	Unit is not used to manage a benzene waste stream.
PP055T8L	N/A	40 CFR Part 61, Subpart Y	Unit does not store refined or industrial grade benzene.
PP055T8L	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
			miscellaneous organic chemical manufacturing process unit (MCPU).
PP055T8L	N/A	40 CFR Part 63, Subpart G	Unit is not part of an affected chemical manufacturing process unit (CMPU).
PP055T8L	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PROEFLEX	N/A	40 CFR Part 63, Subpart FFFF	Unit is not a part of an affected miscellaneous organic chemical manufacturing process unit (MCPU).
PROEFLEX	N/A	40 CFR Part 63, Subpart G	Unit is not used to manufacture as a primary product any chemical listed in Table 1 to 40 CFR Part 63, Subpart F.
PROEFLEX	N/A	40 CFR Part 63, Subpart YY	Unit is not listed as a part of a source category in Table 1 to 63.1100(a).
PROEFMR	N/A	40 CFR Part 60, Subpart DDD	Process section is not part of an affected facility since it was not constructed, modified, or reconstructed after 09/30/1987.
PROEFPR	N/A	40 CFR Part 60, Subpart DDD	Process section is not part of an affected facility since it was not constructed, modified, or reconstructed after 09/30/1987.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
PROEFRM	N/A	40 CFR Part 60, Subpart DDD	Process section is not part of an affected facility since it was not constructed, modified, or reconstructed after 09/30/1987.

New Source Review Authorization References	
New Source Review Authorization References	40
New Source Review Authorization References by Emission Unit.....	41

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 20567	Issuance Date: 04/04/2013
Authorization No.: 84724	Issuance Date: 08/19/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
PP028D1	PROPYLENE PURIFICATION COLUMN, 50D-1	20567
PP028D2	SOLVENT PURIFICATION COLUMN, 50D-2	20567
PP028D4R	STEAM STRIPPER COLUMN, 50D-4R	20567
PP028D8R	SOLVENT DEGASSING COLUMN, 50D-8R	20567
PP028FG1	EASTOFLEX SYNTHESIS AREA EQUIPMENT LEAKS	20567
PP028H1	REGENERATION HEATER, 50H-1	20567
PP028PS1	EASTOFLEX WASTEWATER	20567
PP028R1-1C	POLYMERIZATION REACTOR SPOOL, 50R-1-1C	20567
PP028R1C	POLYMERIZATION REACTOR, 50R-1C	20567
PP028R2C	POLYMERIZATION REACTOR, 50R-2C	20567
PP054FG1	PRODUCT STORAGE AREA EQUIPMENT LEAKS	20567
PP054FL2	EASTOFLEX PROCESS FLARE	20567, 84724
PP054LR2E1	EASTOFLEX RAILCAR LOADING	20567
PP054LT1	EASTOFLEX TRUCK LOADING, SPOT 1	20567
PP054LT2	EASTOFLEX TRUCK LOADING, SPOT 2	20567
PP054T150	APO PACKAGING FACILITY STORAGE TANK, 50TK-150	20567
PP054T8D	APO STORAGE TANK, 50TK-8D	20567
PP054T8E	APO STORAGE TANK, 50TK-8E	20567

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
PP054T8F	APO STORAGE TANK, 50TK-8F	20567
PP055T3	DEGASSED SOLVENT STORAGE TANK, 50TK-3	20567
PP055T4A	CRUDE SOLVENT STORAGE TANK, 50TK-4A	20567
PP055T8G	APO STORAGE TANK, 50TK-8G	20567
PP055T8H	APO STORAGE TANK, 50TK-8H	20567
PP055T8J	APO STORAGE TANK, 50TK-8J	20567
PP055T8K	APO STORAGE TANK, 50TK-8K	20567
PP055T8L	APO STORAGE TANK, 50TK-8L	20567
PROEFLEX	EASTOFLEX PROCESS	20567, 84724
PROEFMR	EASTOFLEX MATERIALS RECOVERY PROCESS SECTION	20567
PROEFPP	EASTOFLEX PRODUCT FINISHING PROCESS SECTION	20567
PROEFPR	EASTOFLEX POLYMERIZATION REACTION PROCESS SECTION	20567
PROEFPS	EASTOFLEX PRODUCT STORAGE PROCESS SECTION	20567
PROEFRM	EASTOFLEX RAW MATLS PREPARATION PROCESS SECTION	20567

Appendix A

Acronym List	44
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Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
COMS	continuous opacity monitoring system
CVS	closed-vent system
D/FW	Dallas/Fort Worth (nonattainment area)
DR	Designated Representative
ELP	El Paso (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
GF	grandfathered
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H ₂ S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MMBtu/hr	Million British thermal units per hour
MRRT	monitoring, recordkeeping, reporting, and testing
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NO _x	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PM	particulate matter
ppmv	parts per million by volume
PSD	prevention of significant deterioration
RO	Responsible Official
SO ₂	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound